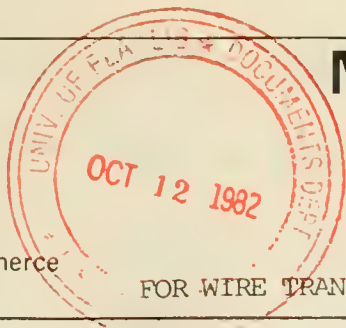




U.S. Department of Commerce  
BUREAU OF THE CENSUS



# Manufacturers' Shipments, Inventories, and Orders

JULY 1982

M3-1(82)-7

FOR WIRE TRANSMISSION 3:30 P.M. EDT, TUESDAY, AUGUST 31, 1982

(All figures in text below are in seasonally adjusted current dollars.)

New orders for manufactured goods in July increased \$3.1 billion or 2.0 percent from June to \$160.2 billion. Although this is the largest monthly increase since December 1980, the value of new orders was 7 percent below the July 1981 peak of \$172.1 billion. Shipments of manufactured goods increased \$1.0 billion or 0.6 percent in July to \$162.5 billion, following increases in May and June of 3.0 percent and 0.4 percent, respectively.

The backlog of manufacturers' orders was valued at \$303.7 billion at the end of July, down \$2.4 billion or 0.8 percent from June. This is the 12th consecutive monthly decline in backlog, 7.7 percent below the peak in July 1981 of \$328.9 billion. The book value of manufacturers' inventories at the end of July was \$275.2 billion, showing little change from June. Prior to this, inventories had declined 6 of the last 7 months.

New orders for the durable goods sector were up \$3.0 billion or 4.0 percent in July to \$77.5 billion, revised upward from the earlier reported 3.2 percent increase. Most of the major industries contributed to the July increase. New orders for transportation equipment were up \$1.2 billion or 7.5 percent to \$17.6 billion, with increases in both the aircraft and motor vehicle industries. New orders for electrical machinery increased \$0.7 billion or 6.0 percent to \$12.4 billion, while orders for nonelectrical machinery increased \$0.4 billion or 3.1 percent to \$13.4 billion. New orders for primary metals increased \$0.1 billion or 1.4 percent to \$8.7 billion. Following a steady decline in this series from July 1981 to March 1982, orders for primary metals have now increased 4 consecutive months. The steel industry accounted for this month's increase.

New orders for nondefense capital goods increased \$1.5 billion or 7.7 percent to \$20.8 billion, following declines in May of 10.1 percent and June of 5.2 percent. New orders for defense capital goods were down \$0.8 billion or 14.8 percent to \$4.6 billion, following a 13.9 percent increase last month.

Shipments of durable goods in July increased \$0.8 billion or 1.1 percent to \$79.7 billion. The largest increases were in the electrical machinery and transportation equipment categories. Electrical machinery shipments were up \$0.5 billion or 3.9

percent to \$12.1 billion with most of the increase occurring in the communication equipment industry. Shipments of transportation equipment were up \$0.4 billion or 2.4 percent to \$18.0 billion. An increase in the motor vehicle and parts category of \$0.6 billion or 6.1 percent to \$11.1 billion was partially offset by a decline in the aircraft and parts category of \$0.3 billion or 5.7 percent to \$5.4 billion.

Shipments of nondurable goods in July increased \$0.2 billion or 0.2 percent to \$82.8 billion. Shipments by the tobacco products industry have shown unusual fluctuation the last 2 months with a July decline of 24 percent following a June increase of 20 percent. Excluding the tobacco category, shipments of nondurable goods increased 0.6 percent with the largest increases occurring in the foods, apparel, and paper products industries.

The decline in the backlog of orders of durable goods manufacturers of \$2.2 billion or 0.7 percent to \$294.7 billion reflected declines in several major industries. The largest decline was in the nonelectrical machinery category which was down \$1.7 billion or 2.6 percent to \$61.8 billion. Unfilled orders for transportation equipment and fabricated metal products were each down \$0.4 billion.

The book value of inventories of durable goods manufacturers declined \$0.5 billion or 0.3 percent to \$183.3 billion, offsetting a \$0.5 billion or 0.6 percent increase to \$91.4 billion in inventories of nondurable goods manufacturers. For durable goods manufacturers, inventories have declined 7 of the last 8 months from a high of \$190.2 billion last November. For nondurable goods manufacturers, prior to this month's increase, inventories had also been declining since November, except for a 0.5 percent increase in February.

The figures on the durable goods industries in this report supersede those issued earlier in the advance report on durable goods. The present report is based on more complete reporting, but the estimates are also considered preliminary. Final figures will appear as historical data in the report to be published for next month. The advance report on durable goods for August is scheduled for release on September 22, 1982, and full report is scheduled for release on October 1, 1982.

The method of seasonally adjusting shipments data for the motor vehicle assembly industry for July through September has been changed this year and is now consistent with the traditional X-11 approach followed for other industry categories in the survey. Previously, an estimated seasonally-adjusted monthly average for the third quarter was used in each of the 3 months to compensate for the erratic monthly movements which occurred during this model changeover period. The change in procedure was made because the seasonal pattern in the data has become somewhat more stable, and the data series subject to smaller historical revisions.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Swindell-Menth, (301) 763-2502.

For sale by Customer Services (DUSD) Bureau of the Census, Washington, D.C. 20233, or any U.S. Department of Commerce district office. Postage stamps not acceptable; currency submitted at sender's risk. Remittances from foreign countries must be by international money order or by a draft on a U.S. bank. Price, 30 cents per copy, \$3.60 per year.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES  
(Billions of dollars)

SIC	Industry	Seasonally adjusted						Quarterly I 1982 II 1982 <sup>r</sup> III 1981 IV 1981	Not seasonally adjusted <sup>1</sup>												Year-to-date	
		Monthly							Monthly													
		Monthly							Monthly													
		July 1982 <sup>p</sup>	June 1982	May 1982 <sup>r</sup>	Apr. 1982	III 1982 <sup>r</sup>	I 1982		July 1982 <sup>p</sup>	June 1982 <sup>r</sup>	May 1982	Apr. 1982	July 1981	June 1981	May 1981	Apr. 1981	1982	1981				
TOTALS																						
	All manufacturing industries.....	162,528	161,519	160,828	156,114	478,461	470,682	485,013	148,569	161,541	158,058	155,918	179,317	169,157	170,185			1,107,809	1,169,225			
	Manufacturing industries excluding transportation.....	144,542	143,946	143,514	140,168	427,628	425,878	437,197	133,656	143,537	141,169	141,118	159,295	150,440	151,597			993,493	1,047,826			
	Manufacturing industries with unfilled orders.....	83,399	82,879	83,596	81,716	248,191	249,216	256,299	75,188	87,481	83,896	80,543	94,621	88,865	89,110			577,791	610,121			
	Durable goods industries.....	79,725	78,888	79,518	77,136	235,542	231,650	240,678	70,971	84,307	80,485	79,101	92,971	86,822	87,273			546,074	590,456			
	Durable goods with unfilled orders.....	66,175	65,889	66,611	64,889	197,389	197,238	204,233	59,219	70,133	66,981	65,883	76,989	71,805	71,947			459,089	492,053			
	Nondurable goods industries.....	82,803	82,631	81,310	78,978	242,919	239,032	244,336	77,598	84,852	81,056	79,261	86,345	82,335	82,911			561,732	578,768			
	Nondurable goods with unfilled orders.....	17,224	16,990	16,985	16,827	50,802	51,978	52,066	15,969	17,348	16,915	16,873	17,632	17,060	17,163			118,700	118,066			
MARKET CATEGORIES																						
	Home goods and apparel.....	11,192	10,858	10,803	10,708	32,369	32,851	32,765	10,086	11,184	10,272	10,306	12,187	10,930	11,078			73,748	77,673			
	Consumer staples.....	31,058	31,043	30,310	29,578	90,931	88,745	86,018	29,170	31,831	29,784	29,073	30,362	28,223	28,889			207,053	201,003			
	Equipment and defense products, except automotive.....	24,343	24,451	25,056	23,997	73,504	75,374	78,480	22,187	26,431	25,126	24,125	22,898	25,432	25,512			172,695	175,526			
	Automotive equipment.....	12,573	11,974	11,661	11,002	34,637	28,938	30,279	9,962	12,992	12,289	11,967	9,974	13,089	12,916			76,957	82,826			
	Construction materials, supplies, and intermediate products.....	12,250	11,720	12,058	11,446	35,224	34,537	35,299	12,015	12,739	12,392	11,799	12,696	13,517	13,781			81,085	91,177			
	Other materials, supplies, and intermediate products.....	71,112	71,473	70,940	69,383	211,796	210,238	222,172	65,149	73,982	71,678	70,788	80,681	77,966	78,011			496,261	541,005			
SUPPLEMENTARY SERIES <sup>2</sup>																						
	Household durable goods indus- tries.....	5,178	4,904	4,808	4,897	14,609	14,581	14,739	4,453	5,017	4,668	4,772	4,565	4,972	5,147			33,074	34,953			
	Capital goods industries.....	27,421	27,727	28,140	26,869	82,736	84,033	87,865	24,877	29,745	28,035	26,857	25,976	28,403	28,360			193,352	196,861			
	Nondefense.....	22,649	22,906	23,471	22,599	68,976	71,169	75,378	20,472	24,680	23,296	22,604	22,313	24,598	24,600			162,268	170,820			
	Defense.....	4,772	4,821	4,669	4,271	13,761	12,865	12,487	4,405	5,065	4,739	4,252	3,664	3,806	3,760			31,080	26,040			
INDUSTRY GROUPS AND INDUSTRIES																						
	Durable goods industries:																					
2	Stone, clay, and glass																					
	products.....	3,813	3,834	3,863	3,728	11,425	11,499	11,526	3,756	4,166	3,923	3,801	4,155	4,287	4,372			26,295	29,089			
22	Glass containers.....	442	467	465	462	1,394	1,320	1,338	430	505	467	460	466	521	462			3,160	3,158			
3	Primary metals.....	8,512	8,598	8,682	8,953	26,233	28,429	30,979	7,563	8,981	8,951	9,507	10,776	12,529	12,338			64,402	83,664			
31	Blast furnaces, steel mills.....	3,714	3,989	3,904	4,156	12,049	14,075	15,677	3,317	4,120	3,974	4,440	5,597	6,209	6,280			30,550	42,342			
33-9	Nonferrous and other primary metals.....	3,921	3,772	3,894	3,952	11,618	11,677	12,627	3,490	3,946	4,034	4,165	4,242	4,794	4,901			27,662	33,577			
4	Fabricated metal products.....	10,034	9,890	10,096	9,750	29,736	28,553	28,767	9,190	10,531	10,244	9,978	9,659	11,400	10,812			68,147	73,610			
41	Metal cans, barrels, and drums.....	865	952	875	915	2,742	2,842	2,720	944	1,058	912	901	1,038	970	928			6,474	6,692			
5	Machinery, except electrical....	15,072	15,488	15,899	15,432	46,819	49,096	51,717	13,795	16,815	15,810	15,602	15,376	16,720	17,036			111,471	117,770			
51	Engines and turbines.....	1,133	1,152	1,209	1,296	3,657	3,769	4,202	975	1,276	1,205	1,287	1,242	1,469	1,338			8,777	9,431			
52	Farm machinery and equipment....	977	986	1,108	1,009	3,103	3,170	3,852	824	1,092	1,162	1,149	1,155	1,585	1,619			7,610	10,088			
53	Construction, mining, and material-handling equipment.....	2,787	2,979	2,815	2,788	8,582	9,169	10,025	2,678	3,090	2,871	2,938	3,021	3,281	3,199			20,917	21,913			
54	Metallworking machinery.....	862	862	861	894	2,617	2,925	2,830	750	951	845	875	856	1,110	967			6,409	7,065			
55	General industrial machinery.....	1,274	1,194	1,305	1,244	3,743	4,204	4,415	1,160	1,298	1,331	1,275	1,356	1,539	1,430			9,212	9,869			

See footnotes at end of table.

Table 1. VALUE OF MANUFACTURE'S SHIPMENTS FOR INDUSTRY CATEGORIES, AND SUPPLEMENTARY SERIES--Continued

(Millions of dollars)

SIC	Industry	Seasonally adjusted					Not seasonally adjusted <sup>1</sup>										
		Monthly				Quarterly		Monthly								Year-to-date	
		Monthly				Quarterly		Last 4 months				Last 4 months a year ago					
		July 1982 <sup>b</sup>	June 1982 <sup>r</sup>	May 1982 <sup>r</sup>	Apr. 1982	II 1982 <sup>r</sup>	I 1982	IV 1981	July 1982 <sup>b</sup>	June 1982 <sup>r</sup>	May 1982	Apr. 1982	July 1981	June 1981	May 1981		Apr. 1981
36	Electrical machinery.....	12,089	11,639	11,912	11,677	35,228	34,170	34,285	10,639	12,354	11,716	11,622	10,463	12,452	11,493	11,377	79,169
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	1,735	1,715	1,777	1,730	5,222	5,307	5,509	1,507	1,848	1,810	1,746	1,645	2,049	1,896	1,860	12,911
363	Household appliances.....	1,045	1,035	1,037	1,033	3,105	3,016	3,087	1,008	1,128	1,022	1,029	1,104	1,313	1,138	1,167	8,092
365	Radio and TV.....	741	697	723	675	2,095	2,028	1,964	596	769	609	574	591	869	647	648	4,828
366	Communication equipment.....	4,006	3,713	3,806	3,833	11,352	10,995	10,609	3,508	4,014	3,846	3,914	3,182	3,760	3,456	3,411	23,459
367	Electronic components.....	2,539	2,484	2,513	2,468	7,465	7,067	7,192	2,280	2,556	2,488	2,533	2,182	2,449	2,429	2,429	17,014
37	Transportation equipment.....	17,986	17,573	17,314	15,945	50,832	44,804	47,817	14,913	18,983	18,004	16,889	14,801	20,022	18,717	18,588	121,394
371	Motor vehicles and parts.....	11,051	10,420	10,109	9,509	30,038	24,427	25,634	8,516	11,361	10,682	10,297	8,217	11,942	11,235	10,949	66,261
372,6	Aircraft, missiles, and parts.....	5,355	5,681	5,590	4,912	16,183	15,246	16,970	4,942	6,078	5,640	4,991	4,844	6,035	5,486	5,602	37,363
3731	Shipbuilding and military tank vehicles.....	987	929	994	900	2,823	2,839	2,837	951	968	1,047	882	948	1,047	1,012	974	6,676
38	Instruments and related products.....	3,977	4,007	3,988	3,825	11,820	11,628	11,893	3,583	4,285	3,936	3,758	3,613	4,291	3,971	3,842	26,943
381-4	Scientific and engineering.....	2,383	2,314	2,336	2,218	6,868	6,972	7,291	2,106	2,492	2,315	2,225	2,126	2,568	2,325	2,283	16,123
386	Photographic goods.....	1,362	1,453	1,408	1,379	4,240	3,974	3,877	1,271	1,545	1,382	1,310	1,251	1,445	1,380	1,293	9,237
24	All other durable goods industries.....	8,242	7,859	7,764	7,826	23,449	23,472	23,695	7,552	8,192	7,901	7,943	7,864	9,085	8,647	8,909	58,512
20	Nondurable goods industries:																
201	Food and kindred products.....	23,484	23,315	23,018	22,302	68,635	67,182	65,256	21,857	23,812	22,721	21,813	21,301	23,402	21,973	22,493	156,270
208	Meat products.....	6,310	6,426	6,296	5,961	18,683	17,285	17,428	5,969	6,285	6,321	5,804	5,815	5,977	5,800	5,649	40,215
207	Beverages.....	3,066	3,002	3,112	3,201	9,315	9,222	8,287	3,210	3,437	3,236	3,215	3,002	3,261	2,929	2,885	21,407
203-6,9	Fats and oils.....	1,440	1,490	1,406	1,416	4,312	4,305	4,562	1,335	1,430	1,341	1,399	1,448	1,484	1,479	1,606	9,983
21	All other foods.....	9,416	9,135	8,951	8,577	26,663	26,979	25,770	8,126	9,309	8,979	8,248	7,897	9,432	8,658	9,097	61,541
22	Tobacco products.....	1,021	1,351	1,157	1,388	3,636	3,378	3,319	1,024	1,388	1,140	1,153	1,096	1,132	998	1,050	7,916
26	Textile mill products.....	4,168	4,217	4,148	4,058	12,433	12,309	12,452	3,487	4,547	4,209	4,070	3,856	4,883	4,533	4,342	30,340
261-3	Pulp, paper, etc.....	6,601	6,425	6,346	6,463	19,236	19,914	20,007	6,196	6,727	6,447	6,538	6,239	6,868	6,693	6,736	46,502
265	Paperboard containers.....	2,680	2,677	2,619	2,692	7,988	8,499	8,580	2,520	2,810	2,721	2,765	2,670	2,947	2,958	2,906	20,014
264	All other paper products.....	1,558	1,528	1,460	1,465	4,453	4,539	4,461	1,442	1,572	1,477	1,505	1,509	1,665	1,589	1,595	10,568
28	Chemicals and allied products.....	2,363	2,220	2,267	2,306	6,793	6,877	6,776	2,234	2,345	2,249	2,269	2,060	2,256	2,146	2,233	16,089
281,6	Industrial chemicals, except pigments.....	14,523	14,595	14,136	13,751	42,482	41,658	42,774	13,199	15,360	14,629	14,542	13,635	15,667	15,114	15,339	100,633
283,4	Drugs, soap, and toiletries.....	4,568	4,626	4,538	4,425	13,589	13,801	14,724	4,203	4,825	4,652	4,734	4,847	5,458	5,264	5,413	32,886
29	Petroleum and coal products.....	4,316	4,276	3,956	3,923	12,155	11,151	11,007	3,945	4,472	3,660	3,767	3,351	3,877	3,353	3,364	27,076
30	Rubber and plastics products, n.o.c.....	17,536	17,592	17,382	16,494	51,468	48,733	54,560	17,190	17,770	17,287	16,194	17,965	18,683	18,327	17,757	129,016
23	All other nondurable goods industries.....	3,853	3,762	3,569	3,500	10,831	10,580	11,258	3,511	3,898	3,592	3,648	3,714	4,217	3,903	4,123	25,299
31	Textile, apparel, and leather goods industries.....	11,617	11,374	11,583	11,252	34,209	35,278	34,758	11,134	11,350	11,031	10,998	11,419	11,530	10,794	11,074	78,675
32	Food, drink, and tobacco products industries.....																
33	Chemical and allied products industries.....																
34	Textile, apparel, and leather goods industries.....																
35	Food, drink, and tobacco products industries.....																
36	Chemical and allied products industries.....																
37	Textile, apparel, and leather goods industries.....																
38	Food, drink, and tobacco products industries.....																
39	Chemical and allied products industries.....																

<sup>2</sup>Preliminary. Revised.<sup>1</sup>Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.<sup>2</sup>The supplementary series are regroupings of the separate industry categories as follows:

Household durable goods industries--Household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Capital goods industries--Comparable to the previous producers' capital goods and the defense products (old series) categories. Nondefense products--Machinery, except electrical (excluding farm machinery and equipment and machine shops), electrical machinery (excluding household appliances, radio and TV, and electronic components), and the nondefense portions of shipbuilding and repairing and railroad equipment, communication equipment, aircraft and aircraft parts, and ordnance.

Defense products--Based on separate reports on defense work filed by large defense contractors in the following industries: Ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding. The data are comparable to those published annually in the MA-175, "Shipments to Federal Government Agencies" (formerly "Shipments of Defense-Oriented Industries"), for the specified industries.



Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(\$billions of dollars)

SIC	Industry	Seasonally adjusted						Not seasonally adjusted <sup>1</sup>										Year-to-date	
		Monthly			Quarterly			Monthly											
		July 1982 <sup>2</sup>	June 1982 <sup>2</sup>	May 1982 <sup>2</sup>	April 1982	II 1982 <sup>2</sup>	I 1982	IV 1981	Last 4 months				Last 4 months a year ago						
									July 1982 <sup>2</sup>	June 1982 <sup>2</sup>	May 1982	April 1982	July 1981	June 1981	May 1981	April 1981			
	TOTALS																		
	All manufacturing industries.....	160,171	157,058	156,791	154,995	468,844	467,702	475,678	144,844	162,730	155,250	156,759	156,351	177,036	169,114	171,937	1,093,508	1,177,792	
	Manufacturing industries excluding transportation.....	142,590	140,711	140,780	138,401	419,892	418,077	430,943	131,098	145,711	139,445	139,386	140,981	158,912	150,728	152,996	978,911	1,056,061	
	Manufacturing industries with unfilled orders.....	81,042	78,418	79,559	80,601	238,578	246,236	246,964	71,463	81,052	77,605	81,455	80,975	92,341	88,821	90,862	563,490	618,666	
	Durable goods industries.....	77,538	74,550	75,710	76,194	226,454	229,229	232,206	67,426	78,199	74,504	77,867	77,204	90,888	86,609	88,737	532,781	598,322	
	Durable goods with unfilled orders.....	63,988	61,551	62,803	63,948	188,302	194,817	195,761	55,674	64,025	61,000	64,647	64,841	74,906	71,591	73,410	445,795	499,921	
	Nondurable goods industries.....	82,633	82,508	81,081	78,803	242,392	238,473	243,472	77,418	84,531	80,746	78,892	79,147	86,148	82,505	83,201	560,724	579,467	
	Industries with unfilled orders.....	17,054	16,867	16,756	16,653	50,276	51,419	51,203	15,789	17,027	16,605	16,808	16,134	17,435	17,230	17,452	117,692	118,764	
	Industries without unfilled orders.....	65,579	65,641	64,325	62,151	192,117	187,054	192,269	61,629	67,504	64,141	62,084	63,013	68,713	65,275	65,749	443,031	460,698	
	MARKET CATEGORIES																		
	Home goods and apparel.....	11,039	10,964	11,040	10,067	32,639	32,986	32,201	10,007	11,391	10,478	9,891	10,923	12,472	10,876	11,388	74,155	78,947	
	Consumer staples.....	31,023	31,070	30,340	29,477	90,887	88,796	86,029	29,199	31,853	29,751	28,952	27,947	30,391	28,183	28,902	207,080	201,161	
	Equipment and defense products, except automotive.....	22,907	23,179	22,074	25,890	71,143	78,097	75,257	19,891	23,917	21,137	25,530	23,358	26,573	24,762	26,117	170,592	179,087	
	Automotive equipment.....	12,766	11,887	11,398	10,625	33,910	28,494	29,869	10,207	12,789	11,935	11,500	10,126	13,621	13,110	12,817	75,831	83,122	
	Construction materials, supplies, and intermediate products.....	12,152	11,384	11,592	11,003	33,979	33,970	34,754	11,816	12,319	12,116	11,388	12,829	14,378	14,031	13,565	79,655	92,008	
	Other materials, supplies, and intermediate products.....	70,284	68,574	70,347	67,937	206,858	205,360	217,568	63,724	70,461	69,833	69,496	71,169	79,601	78,151	79,149	486,182	543,448	
	SUPPLEMENTARY SERIES <sup>2</sup>																		
	Household durable goods industries.....	5,028	5,004	5,022	4,254	14,280	14,800	14,185	4,383	5,218	4,856	4,325	4,653	5,782	4,902	5,429	33,504	36,162	
	Capital goods industries.....	25,403	24,715	25,107	28,782	78,604	86,302	83,783	21,939	25,654	23,681	28,448	26,148	29,890	28,014	29,662	188,462	201,387	
	Nondefense.....	20,771	19,278	20,332	22,608	62,218	65,450	69,027	18,501	20,980	19,227	22,507	22,175	25,823	23,404	25,662	149,537	171,359	
	Defense.....	4,632	5,437	4,775	6,174	16,386	20,851	14,757	3,438	4,674	4,454	5,942	3,973	4,067	4,610	4,000	38,921	30,026	
	INDUSTRY GROUPS AND INDUSTRIES																		
	Durable goods industries:																		
32	Stone, clay, and glass.....	3,794	3,792	3,877	3,642	11,311	11,093	11,612	3,761	4,085	3,937	3,755	4,169	4,607	4,303	4,365	25,946	29,157	
33	Primary metals.....	8,741	8,617	8,453	8,137	25,207	25,000	28,454	7,260	8,290	8,160	8,424	10,462	11,514	11,826	12,457	59,782	83,540	
331	Blast furnaces, steel mills, nonferrous and other primary metal products.....	4,025	3,789	3,928	3,583	11,300	11,642	14,040	3,207	3,499	3,384	3,807	5,285	5,996	5,870	6,743	27,374	43,021	
34	Fabricated metal products.....	3,867	3,939	3,741	3,828	11,508	11,073	11,850	3,305	3,926	3,768	3,884	4,169	4,499	4,844	4,675	26,846	33,228	
35	Machinery, except electrical.....	9,613	9,389	9,405	8,989	27,783	27,648	27,836	8,825	9,885	9,563	9,155	10,084	11,445	11,193	10,517	65,225	74,436	
351	Engines and turbines.....	13,417	13,015	14,408	15,262	42,685	44,063	49,838	12,220	14,478	13,781	15,391	14,874	18,653	16,441	17,625	101,841	119,309	
353	Construction, mining, and material-handling equipment.....	806	952	1,338	995	3,285	3,397	3,430	630	965	1,291	930	1,067	1,346	1,168	1,357	7,448	9,037	
354	Working machinery.....	2,479	2,528	2,258	1,857	6,643	7,651	9,420	2,334	2,551	2,087	2,139	3,343	3,707	3,255	3,813	17,246	24,473	
356	General industrial machinery.....	710	740	649	623	2,012	1,993	1,958	608	819	619	601	644	887	738	873	4,784	6,022	
		1,118	981	1,266	1,024	3,271	3,894	4,389	1,028	1,078	1,223	1,085	1,450	1,483	1,570	1,626	8,476	10,528	

See footnotes at end of table.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES--Continued

SIC	Industry	Seasonally adjusted					Not seasonally adjusted <sup>1</sup>												Year-to-date				
		Monthly					Quarterly		Last 4 months					Monthly									
		July 1982 <sup>p</sup>	June 1982 <sup>r</sup>	May <sup>r</sup> 1982	April 1982	II 1982 <sup>r</sup>	I 1982	IV 1981	Last 4 months				Last 4 months a year ago										
									July 1982 <sup>p</sup>	June 1982 <sup>r</sup>	May <sup>r</sup> 1982	April <sup>r</sup> 1982	July 1981	June 1981	May 1981	April 1981							
INDUSTRY GROUPS AND INDUSTRIES-- Continued																							
Durable goods industries-- Continued																							
36	Electrical machinery.....	12,409	11,705	11,888	12,508	36,101	36,015	34,196	10,668	12,106	11,532	12,471	10,542	13,106	11,767	11,819						84,068	82,899
361, 2	Electrical transmission and distribution equipment and industrial apparatus.....	1,693	1,396	1,738	1,490	4,624	5,044	5,308	1,421	1,470	1,429	1,630	1,672	1,970	2,024	1,895						11,645	13,573
363	Household appliances.....	1,056	1,007	1,050	1,029	3,086	3,007	3,036	1,026	1,112	1,035	1,026	1,099	1,324	1,147	1,177						7,201	8,194
365	Radio and TV.....	697	653	918	590	2,161	2,039	1,787	566	831	769	467	537	1,150	516	548						4,509	4,796
366	Communication equipment.....	4,396	4,568	3,352	5,012	12,932	12,988	10,883	3,685	4,349	3,466	4,789	3,293	4,029	3,633	3,577						29,901	25,608
367	Electronic components.....	2,563	2,110	2,803	2,415	7,328	7,180	7,296	2,234	2,320	2,617	2,688	2,156	2,493	2,530	2,748						17,482	17,199
37	Transportation equipment.....	17,581	16,347	16,011	16,595	48,953	49,625	44,735	13,746	17,019	15,805	17,371	15,370	18,125	18,386	18,942						114,592	121,725
372, 6	Aircraft, missiles, and parts.....	5,159	4,560	4,854	5,779	15,193	20,522	15,123	4,341	4,812	4,426	5,624	5,411	4,955	5,566	5,198						39,447	37,759
3731	Shipbuilding and military																						
3795	tank vehicles.....	627	877	711	1,092	2,680	2,894	2,293	157	469	439	1,238	820	545	705	1,896						5,379	7,156
38	Instruments and related products.....	4,005	3,767	3,896	3,920	11,583	11,801	11,970	3,580	4,142	3,770	3,826	3,729	4,421	3,988	3,754						27,030	27,508
24	All other durable goods																						
25	industries.....	7,978	7,918	7,772	7,141	22,831	23,983	23,565	7,366	8,194	7,956	7,472	7,975	9,017	8,706	9,258						54,281	59,721

Preliminary. <sup>b</sup>Revised.<sup>1</sup>Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.<sup>2</sup>The supplementary series are regroupings of the separate industry categories as follows:

Household durable goods industries--Household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Capital goods industries--Comparable to the previous producers' capital goods and the defense products (old series) categories.

Nondefense products--Machinery, except electrical (excluding farm machinery and equipment and machine shops), electrical machinery (excluding household appliances, radio and TV, and electronic components), and the nondefense portions of shipbuilding and repairing and railroad equipment, communication equipment, aircraft and aircraft parts, and ordnance.

Defense products--Based on separate reports on defense work filed by large defense contractors in the following industries: Ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding.

The data are comparable to those published annually in the NA-11/5, "Shipments to Federal Government Agencies" (formerly "Shipments of Defense-Oriented Industries"), for the specified industries

Table 3. VALUE OF MANUFACTURES: UNFULFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES  
(Millions of dollars)

SIC	Industry	Seasonally adjusted						Not seasonally adjusted <sup>1</sup>									
		Monthly			Quarterly			Monthly									
		July 1982 <sup>p</sup>	June 1982 <sup>r</sup>	May 1982 <sup>r</sup>	April 1982	I 1982	II 1981	III 1981	IV 1981	I 1981	II 1981	III 1981	IV 1981	May 1982 <sup>r</sup>	June 1982 <sup>r</sup>	July 1981	Last 4 months a year ago
	TOTALS																
	All manufacturing industries.....	303,672	306,032	310,482	314,521	315,639	318,621	327,955	327,105	323,054	305,804	312,234	318,518	327,359	326,927	329,207	329,250
	Manufacturing industries excluding transportation.....	187,422	189,380	192,606	195,342	197,110	204,912	211,164	211,677	207,473	187,569	194,594	198,679	212,274	212,411	212,794	212,506
	Durable goods industries.....	294,677	296,866	301,194	305,004	305,947	308,370	316,841	315,618	312,018	293,105	302,762	308,736	315,995	315,449	317,532	317,745
	Nondurable goods industries.....	8,995	9,166	9,288	9,518	9,692	10,251	11,114	11,487	11,036	8,972	9,472	9,782	11,364	11,478	11,675	11,505
	MARKET CATEGORIES																
	Home goods and apparel.....	3,899	4,087	3,951	3,684	4,429	4,244	4,797	4,823	4,570	4,150	3,970	3,794	5,205	4,997	4,683	4,776
	Consumer staples.....	185,673	186,916	188,274	191,519	190,002	187,724	191,356	189,974	188,940	186,241	189,012	193,353	190,015	189,403	191,070	191,719
	Equipment and defense products, except automotive.....	15,071	15,170	15,506	15,972	16,416	16,982	17,527	17,674	17,388	15,211	15,410	16,106	18,078	17,945	17,792	17,278
	Automotive equipment.....	99,029	99,859	102,751	103,346	104,793	109,671	114,276	114,634	112,156	98,475	103,423	105,264	114,063	114,582	115,662	115,477
	Construction materials, supplies, and intermediate products.....																
	Other materials, supplies, and intermediate products.....																
	SUPPLEMENTARY SERIES <sup>2</sup>																
	Household durable goods industries.....	2,810	2,961	2,858	2,643	3,288	3,069	3,623	3,704	3,531	3,049	2,919	2,727	4,003	3,915	3,617	3,688
	Primary metals.....	216,742	218,756	221,766	224,799	222,888	220,621	224,701	222,627	220,540	215,178	222,209	226,560	222,162	221,990	223,409	223,798
	Nondefense.....	132,351	134,226	137,852	140,991	140,982	146,701	153,052	154,870	155,072	132,500	138,174	142,240	154,761	154,899	156,331	157,524
	Defense.....	84,391	84,530	83,914	83,808	81,905	73,919	71,650	67,758	65,468	82,678	84,035	84,321	67,400	67,091	67,078	66,274
	INDUSTRY GROUPS AND INDUSTRIES																
	Durable goods industries:																
32	Stone, clay, and glass.....	1,701	1,720	1,762	1,749	1,835	2,241	2,155	2,296	2,286	1,764	1,759	1,839	1,825	2,365	2,341	2,325
33	Primary metals.....	22,396	22,168	22,147	22,378	23,195	26,623	29,148	29,533	28,933	21,887	22,170	22,862	23,654	29,333	30,612	30,959
331	Ulnat furnaces, steel mills.....	13,241	12,930	13,129	13,106	13,679	16,113	17,751	17,693	16,984	12,936	13,046	13,668	14,058	17,576	18,348	18,688
333-6,9	Nonferrous and other primary metal products.....	6,532	6,586	6,419	6,572	6,697	7,302	8,078	8,526	8,533	6,375	6,560	6,579	6,846	8,427	8,903	8,853
34	Fabricated metal products.....	25,960	26,384	26,883	27,574	28,334	29,240	30,170	30,598	30,275	26,054	26,419	27,065	27,745	30,629	30,583	30,205
35	Machinery, except electrical.....	61,808	63,462	65,934	67,425	67,595	72,627	74,505	75,021	74,018	62,457	63,831	66,169	68,198	75,216	75,159	75,439
351	Engines and turbines.....	15,362	15,668	15,867	15,739	16,039	16,411	17,183	17,771	17,718	15,171	15,516	15,741	17,334	17,509	17,632	17,802
353	Construction, mining, and material-handling equipment.....	7,054	7,362	7,813	8,370	9,301	10,819	11,424	10,956	9,694	7,039	7,384	7,923	8,707	10,989	10,563	10,507
354	Metalworking machinery.....	3,179	3,332	3,454	3,666	3,937	4,870	5,742	6,452	6,998	3,173	3,315	3,447	3,672	6,208	6,472	6,872
356	General industrial machinery.....	5,852	6,077	6,221	6,260	6,480	6,790	6,816	6,650	6,413	5,881	6,013	6,233	6,342	6,658	6,714	6,655

See footnotes at end of table.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES--Continued  
(Billions of dollars)

SIC	Industry group	Seasonally adjusted								Not seasonally adjusted <sup>1</sup>									
		Monthly				Quarterly				Monthly									
		July 1982 <sup>p</sup>	June 1982 <sup>r</sup>	May 1982 <sup>r</sup>	April 1982	I 1982	IV 1981	III 1981	II 1981	I 1981	July 1982 <sup>p</sup>	June 1982 <sup>r</sup>	May 1982 <sup>r</sup>	April 1982	July 1981	June 1981	May 1981	April 1981	March 1981
INDUSTRY GROUP AND INDUSTRIES--Continued																			
Durable goods industries--Continued																			
36	Electrical machinery.....	54,975	54,655	54,588	54,613	53,784	51,939	52,028	50,778	49,101	54,777	54,750	54,999	55,180	50,990	50,911	50,257	49,983	
361, 2	Electrical transmission and distribution equipment and industrial apparatus.....	7,802	7,844	8,163	8,202	8,442	8,705	8,906	8,849	8,800	7,817	7,904	8,282	8,352	8,940	8,913	8,992	8,864	
363	Household appliances.....	315	304	332	319	323	333	383	429	419	345	327	343	329	455	460	449	440	
365	Radio and TV.....	381	426	469	274	359	349	526	414	418	401	431	369	209	365	419	138	269	
366	Communication equipment.....	33,659	33,268	32,413	32,868	31,690	29,697	29,423	28,239	27,019	33,227	33,050	32,715	33,096	28,170	28,059	27,790	27,613	
367	Electronic components.....	11,738	11,714	12,088	11,798	11,852	11,739	11,635	11,677	11,296	11,890	11,937	12,173	12,043	11,861	11,887	11,730	11,649	
37	Transportation equipment.....	116,250	116,652	117,876	119,178	118,529	113,709	116,791	115,427	115,582	114,508	115,675	117,640	119,839	115,085	114,516	116,413	116,744	
372, 6	Aircraft, missiles, and parts.....	91,300	91,494	92,613	93,349	92,483	87,207	89,054	87,525	88,151	90,408	91,008	92,275	93,490	87,679	87,112	88,192	88,112	
3731	Shipbuilding and military tank vehicles.....	19,002	19,361	19,413	19,695	19,503	19,449	19,993	19,732	19,110	18,262	19,056	19,555	20,162	19,366	19,494	19,996	20,303	
3795	Instruments and related products.....	7,155	7,128	7,367	7,458	7,362	7,189	7,112	7,034	6,984	7,198	7,202	7,345	7,511	7,226	7,110	6,980	6,963	
38	All other durable goods industries.....	4,432	4,697	4,637	4,629	5,313	4,801	4,931	4,931	4,839	4,660	4,846	4,843	4,786	5,230	5,119	5,187	5,128	

<sup>p</sup>Preliminary. <sup>r</sup>Revised.

<sup>1</sup>Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are of the end of the period and are not adjusted for trading-day or calendar-month variations.

<sup>2</sup>The supplementary series are regroupings of the separate industry categories as follows:

Household durable goods industries--Household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Capital goods industries--Comparable to the previous producers' capital goods and the defense products (old series) categories.

Nondefense products--Machinery, except electrical (excluding farm machinery and equipment and machine shops), electrical machinery (excluding household appliances, radio and TV, and electronic components), the nondefense portions of shipbuilding and repairing and railroad equipment, communication equipment, aircraft and aircraft parts, and ordnance.

Defense products--Based on separate reports on defense work filed by large defense contractors in the following industries: Ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding.

The data are comparable to those published annually in the MA-175, "Shipments to Federal Government Agencies" (formerly "Shipments of Defense-Oriented Industries").



Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC	Industry	Seasonally adjusted										Not seasonally adjusted <sup>1</sup>									
		Monthly					Quarterly					Monthly									
		July 1982 <sup>a</sup>	June 1982 <sup>a</sup>	May 1982	Apr. 1982	I 1982	IV 1981	III 1981	II 1981	I 1981	July 1982 <sup>a</sup>	June 1982 <sup>a</sup>	May 1982	Apr. 1982	July 1981	June 1981	May 1981	Apr. 1981			
TOTALS		275,175	275,115	276,449	278,985	280,065	283,152	282,209	274,616	271,062		274,707	276,281	279,391	282,017	276,499	275,626	276,959	274,918		
	All manufacturing industries.....	235,780	236,041	237,748	240,242	241,915	244,915	243,800	236,930	234,021		235,740	237,630	240,698	243,064	239,021	238,371	239,550	237,466		
	Manufacturing industries excluding transportation.....	189,884	190,493	191,345	192,468	192,527	194,605	192,872	185,811	182,761		190,915	192,333	194,175	194,771	188,989	187,599	187,273	186,311		
	Manufacturing industries with unfilled orders.....	183,825	184,289	184,870	185,916	186,063	188,429	187,686	181,125	178,374		183,852	185,442	187,287	188,253	183,218	182,247	182,384	181,582		
	Durable goods industries.....	168,905	169,479	170,176	171,189	171,059	172,876	171,393	165,002	162,165		169,406	170,642	172,341	173,035	167,378	166,137	165,947	165,134		
	Durable goods with unfilled orders.....	91,350	90,826	91,579	93,070	94,002	94,723	94,523	93,492	92,688		90,855	90,839	92,104	93,764	93,281	93,378	94,575	93,337		
	Nondurable goods industries.....	20,979	21,014	21,169	21,279	21,467	21,729	21,479	20,809	20,595		21,509	21,691	21,834	21,736	21,611	21,462	21,326	21,177		
	Nondurable goods with unfilled orders.....	MARKET CATEGORIES																			
	Home goods and apparel.....	21,768	21,598	21,779	21,948	22,041	22,948	22,084	21,434	21,165		22,505	22,746	22,775	22,436	22,380	22,538	22,650	21,880		
	Consumer staples.....	33,557	32,832	33,355	33,673	33,631	33,100	33,375	32,829	32,854		32,404	31,935	32,653	33,342	31,963	31,890	32,333	32,476		
	Equipment and defense products, except automotive.....	77,417	77,622	77,506	77,708	76,716	76,445	75,187	73,206	71,468		77,535	77,936	78,267	78,430	73,834	73,511	73,429	72,977		
	Automotive equipment.....	11,354	11,226	11,102	11,191	11,220	11,873	12,254	12,097	12,240		10,664	10,904	11,063	11,309	11,480	11,757	12,046	12,229		
	Construction materials, supplies, and intermediate products.....	20,481	20,533	20,639	20,723	21,078	22,172	22,488	21,800	21,111		20,426	20,783	21,076	21,301	22,029	22,047	21,979	21,762		
	Other materials, supplies, and intermediate products.....	110,598	111,304	112,068	113,741	115,379	116,613	116,821	113,249	112,223		111,173	111,977	113,557	115,199	114,813	113,883	114,522	113,594		
	SUPPLEMENTARY SERIES																				
	Household durable goods industries.....	10,773	10,744	10,692	10,856	10,896	11,256	11,026	10,549	10,463		10,992	11,081	11,119	11,080	10,938	10,881	10,996	10,805		
	Capital goods industries.....	87,366	87,393	87,644	87,752	86,795	86,515	85,623	82,976	81,093		87,648	87,869	88,594	88,587	84,116	83,445	83,171	82,683		
	Nondefense.....	73,110	73,166	73,615	73,806	72,937	73,360	73,131	70,821	69,688		73,168	73,469	74,403	74,582	71,736	71,139	71,268	71,000		
	Defense.....	14,256	14,227	14,029	13,946	13,857	13,154	12,492	12,155	11,406		14,480	14,400	14,191	14,005	12,380	12,306	11,903	11,683		
	INDUSTRY GROUPS AND INDUSTRIES																				
	Durable goods industries:	6,393	6,382	6,429	6,479	6,544	6,792	6,766	6,351	6,170		6,438	6,505	6,676	6,723	6,466	6,468	6,518	6,417		
32	Stone, clay, and glass products	676	678	696	702	719	697	679	633	644		699	691	714	716	635	645	658	646		
322	Glass containers.....	14,383	14,617	15,063	15,403	16,056	16,250	15,927	14,129	14,194		14,402	14,643	15,181	15,499	14,687	14,163	14,036	14,076		
33	Primary metals.....	12,455	12,566	12,867	13,075	13,441	13,347	13,198	12,229	12,680		12,443	12,515	12,764	12,825	12,567	12,180	12,123	12,116		
331	Blast furnaces, steel mills, nonferrous and other primary metals.....	10,561	10,710	10,834	10,907	11,145	11,273	11,139	10,416	10,030		10,603	10,742	10,997	11,179	10,646	10,447	10,365	10,409		
333-6, 9	Fabricated metal products.....	19,261	19,593	19,664	19,716	19,848	20,208	20,334	19,729	19,585		19,372	19,856	20,064	20,146	20,008	19,993	20,013	20,008		
34	Metal cans, barrels, and drums.....	1,530	1,504	1,407	1,391	1,409	1,318	1,576	1,549	1,604		1,612	1,677	1,607	1,616	1,634	1,727	1,772	1,772		
341	Machinery, except electrical.....	43,775	44,008	44,447	44,449	44,134	44,376	43,471	41,799	41,142		43,769	44,342	45,015	44,962	42,413	42,114	42,092	41,702		
35	Engines and turbines.....	2,568	2,520	2,579	2,602	2,587	2,625	2,672	2,512	2,495		2,504	2,542	2,608	2,641	2,509	2,535	2,520	2,500		
351	Farm machinery and equipment.....	2,580	2,763	2,745	2,782	2,808	2,935	2,804	2,847	2,904		2,554	2,805	2,832	2,904	2,822	2,890	2,970	2,989		
352	Construction, mining, and material-handling equipment.....	11,009	11,134	11,391	11,301	10,950	10,643	10,044	9,543	9,271		11,053	11,200	11,471	11,387	9,718	9,600	9,499	9,444		
353	Metalworking machinery.....	2,392	2,427	2,480	2,539	2,588	2,744	2,858	2,743	2,756		2,402	2,439	2,510	2,554	2,831	2,757	2,810	2,783		
356	General industrial machinery.....	4,084	4,094	4,155	4,142	4,098	4,089	4,053	3,924	3,785		4,097	4,139	4,176	4,181	3,976	3,967	3,873	3,855		

See footnotes at end of table.



Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY CATEGORIES, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES--Continued

(Millions of dollars)

SIC	Industry	Seasonally adjusted					Not seasonally adjusted												
		Monthly			Quarterly		Monthly												
		July 1982 <sup>b</sup>	June 1982 <sup>c</sup>	May 1982	Apr. 1982	I 1982	IV 1981	III 1981	II 1981	I 1981	July 1982 <sup>d</sup>	June 1982 <sup>e</sup>	May 1982	Apr. 1982	July 1981	June 1981	May 1981	Apr. 1981	
36	INDUSTRY GROUPS AND INDUSTRIES-- Continued	26,882	26,950	27,024	27,365	27,526	28,142	28,110	27,234	26,533	27,129	27,472	27,733	27,820	27,749	27,763	27,678	27,533	
361, 2		Electrical machinery.....	4,303	4,376	4,361	4,409	4,474	4,566	4,710	4,462	4,280	4,316	4,430	4,469	4,485	4,542	4,515	4,506	4,459
363		Distribution transmission and industrial apparatus.....	1,890	1,886	1,853	1,868	1,895	2,044	2,050	1,951	1,894	1,915	1,982	2,010	1,991	2,027	2,050	2,085	2,040
365		Household appliances.....	1,698	1,674	1,676	1,769	1,799	1,866	1,732	1,569	1,489	1,783	1,766	1,789	1,781	1,679	1,617	1,629	1,519
366		Radio and TV.....	9,360	9,334	9,349	9,407	9,410	9,337	9,241	9,257	9,133	9,339	9,358	9,430	9,486	9,231	9,280	9,311	9,391
367		Communication equipment.....	5,535	5,545	5,566	5,635	5,680	5,823	5,827	5,710	5,457	5,618	5,651	5,656	5,694	5,836	5,818	5,730	5,764
37		Electronic components.....	39,395	39,074	38,701	38,743	38,150	38,237	38,409	37,686	37,041	38,367	38,651	38,693	38,953	37,478	37,255	37,409	37,452
371		Transportation equipment.....	8,856	8,649	8,495	8,640	8,673	9,226	9,608	9,596	9,838	8,284	8,388	8,428	8,657	9,062	9,310	9,567	9,729
3731		Motor vehicles and parts.....	27,107	26,893	26,599	26,432	25,681	24,759	24,429	23,852	23,020	27,319	26,790	26,671	26,594	24,255	23,753	23,359	23,484
3731, 6		Aircraft, missiles, and parts	1,573	1,672	1,702	1,833	1,909	2,181	2,244	2,255	2,218	1,613	1,682	1,709	1,825	2,214	2,269	2,313	2,227
3795	Shipbuilding and military tank vehicles.....	9,382	9,393	9,303	9,516	9,399	9,610	9,528	9,372	9,188	9,453	9,596	9,539	9,687	9,450	9,575	9,664	9,540	
381-4	Instruments and related products.....	6,621	6,600	6,509	6,639	6,482	6,531	6,473	6,389	6,189	6,648	6,712	6,626	6,707	6,425	6,498	6,514	6,393	
386	Scientific and engineering...	2,248	2,288	2,291	2,357	2,405	2,537	2,508	2,405	2,408	2,289	2,368	2,392	2,455	2,448	2,487	2,527	2,527	
24	Photographic goods.....	14,354	14,272	14,239	14,246	14,404	14,814	15,141	14,824	14,523	14,322	14,377	14,386	14,462	14,967	14,917	14,974	14,855	
25	All other durable goods industries.....																		
20	Nondurable goods industries:																		
201	Food and kindred products.....	20,338	19,830	20,140	20,377	20,405	20,400	21,290	21,296	21,583	19,376	18,808	19,344	19,919	20,257	20,184	20,663	20,949	
201	Meat products.....	1,859	1,803	1,933	1,914	1,934	1,711	1,840	1,999	2,010	1,790	1,800	1,933	1,976	1,873	1,995	2,094	2,094	
208	Beverages.....	3,523	3,579	3,525	3,563	3,619	3,664	3,740	3,617	3,753	3,375	3,486	3,550	3,639	3,426	3,523	3,683	3,769	
207	Fats and oils.....	1,320	1,381	1,389	1,361	1,298	1,403	1,501	1,512	1,650	1,135	1,269	1,330	1,399	1,309	1,394	1,561	1,606	
203-6, 9	All other foods.....	12,011	11,433	11,606	11,825	11,778	11,884	12,499	12,434	12,411	11,398	10,575	10,793	11,175	11,867	11,490	11,653	11,723	
21	Tobacco products.....	4,893	4,697	4,812	4,812	4,572	4,401	4,088	3,733	3,839	4,360	4,448	4,643	4,824	3,486	3,736	3,836	3,836	
22	Textile mill products.....	6,391	6,367	6,501	6,513	6,387	6,513	7,011	6,949	6,812	6,407	6,470	6,726	6,729	6,977	7,064	7,059	7,055	
26	Paper and allied products.....	8,694	8,757	8,810	8,842	8,921	8,825	8,545	8,239	8,173	8,818	8,808	9,005	9,080	8,472	8,408	8,336	8,336	
261-3	Pulp, paper, etc.....	3,574	3,576	3,590	3,560	3,540	3,461	3,275	3,166	3,115	3,588	3,635	3,662	3,609	3,208	3,196	3,162	3,162	
265	Paperboard containers.....	2,232	2,291	2,298	2,301	2,312	2,392	2,309	2,192	2,137	2,105	2,178	2,265	2,353	2,273	2,214	2,202	2,202	
264	All other paper containers...	2,888	2,890	2,922	2,980	3,070	2,972	2,961	2,881	2,921	2,925	2,992	3,053	3,083	2,967	2,981	2,998	2,998	
28	Chemicals and allied products...	20,802	20,973	20,895	21,363	21,428	21,615	21,334	20,917	20,141	20,750	20,864	21,156	21,729	20,891	20,780	20,884	20,552	
281, 6	Industrial chemicals, except pigments.....	6,432	6,546	6,532	6,676	6,763	6,962	6,876	6,864	6,665	6,477	6,501	6,637	6,744	6,849	6,874	6,710	6,710	
283, 4	Drugs, soap, and toiletries...	6,421	6,450	6,582	6,604	6,690	6,492	6,324	6,283	6,148	6,485	6,612	6,721	6,691	6,372	6,440	6,403	6,260	
29	Petroleum and coal products...	9,280	9,101	9,060	9,675	10,531	10,544	10,810	11,423	11,431	9,393	9,096	9,010	9,518	11,281	11,412	11,920	11,212	
30	Rubber and plastics products...	5,831	6,046	6,115	6,165	6,153	6,298	6,434	6,308	6,199	5,811	6,097	6,262	6,404	6,334	6,360	6,414	6,482	
23	n.e.c.....																		
27	All other nondurable goods industries.....	15,121	15,055	15,246	15,323	15,406	15,628	15,015	14,626	14,511	15,940	16,051	15,883	15,596	15,587	15,491	14,914	14,914	
31																			

<sup>a</sup>Preliminary.<sup>b</sup>Revised.<sup>c</sup>Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.<sup>d</sup>The supplementary series are regroupings of the separate industry categories as follows:

Household durable goods industries--Household furniture: Kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods, watches, and clocks, and miscellaneous personal goods.

Capital goods industries--Comparable to the previous producers' capital goods and the defense products (old series) categories.

Nondurable goods--Machinery, except electrical (excluding farm machinery and equipment and machine shops), electrical machinery (excluding household appliances, radio and TV, and electronic components), and the nondurable portions of shipbuilding and railroad equipment, communication equipment, aircraft and aircraft parts, and ordnance.

Defense products--Based on separate reports on defense work filed by large defense contractors in the following industries: Ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding. The data are comparable to those published annually in the MA-175, "Shipments to Federal Government Agencies" (formerly "Shipments of Defense-Oriented Industries"), for the specified industries.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP  
(Millions of dollars)

Industry	Seasonally adjusted										Not seasonally adjusted																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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	July 1982p	June 1982r	May 1982	Apr. 1982	I 1982	IV 1981	III 1981	II 1981	I 1981	I 1981	July 1982p	June 1982r	May 1982	Apr. 1982	July 1981	June 1981	May 1981	Apr. 1981																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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Table 6. PERCENT CHANGES AND REVISIONS FOR MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS

(Based on seasonally adjusted data)

Item and industry group	Percent change							Revision <sup>2</sup>		
	Month-to-month			Average monthly rate of change <sup>1</sup>				Year ago July 1981	Average monthly	
	June 1982- July 1982	May 1982- June 1982	Apr. 1982- May 1982	Second quarter 1982	First quarter 1982	Fourth quarter 1981	Aug. 1981 through July 1982		July 1981 through June 1982	July 1977-1981
Shipments:										
All manufacturing industries.....	+0.6	+0.4	+3.0	+0.8	-0.4	-1.7	-0.4	0.2	0.2	0.2
Durable goods industries.....	+1.1	-0.8	+3.1	+0.3	-0.4	-2.2	-0.6	0.4	0.3	0.5
Nondurable goods industries.....	+0.2	+1.6	+3.0	+1.3	-0.5	-1.2	-0.2	0.2	0.3	0.7
Inventories:										
All manufacturing industries.....	0.0	-0.5	-0.9	-0.6	-0.4	+0.1	-0.1	0.1	0.1	0.2
New orders:										
All manufacturing industries.....	+2.0	+0.2	+1.2	0.0	-0.1	-2.2	-0.6	0.5	0.3	0.5
Durable goods industries.....	+4.0	-1.5	-0.6	-1.4	+0.6	-3.3	-1.0	1.2	0.7	0.9
Nondurable goods industries.....	+0.2	+1.8	+2.9	+1.3	-0.4	-1.2	-0.2	0.4	0.3	0.6
Unfilled orders:										
Durable goods industries.....	-0.7	-1.4	-1.2	-1.0	-0.3	-0.9	-0.6	0.2	0.1	0.2

- Represents zero.

<sup>1</sup>Method of calculation of these percentages for the quarter and the 12-month time intervals reflect compounded monthly growth rates.<sup>2</sup>The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

Table 7. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

Industry group	Inventories--shipments ratio				Unfilled orders--shipments ratio <sup>1</sup> (months' backlog)			
	July 1982 <sup>P</sup>	June 1982 <sup>R</sup>	May 1982	April 1982	July 1982 <sup>P</sup>	June 1982 <sup>R</sup>	May 1982	April 1982
All manufacturing industries.....	1.69	1.70	1.72	1.79	3.64	3.71	3.71	3.86
Durable goods industries.....	2.31	2.34	2.32	2.41	4.45	4.52	4.52	4.71
Stone, clay, and glass products.....	1.68	1.66	1.66	1.74	0.50	0.51	0.52	0.54
Primary metals.....	2.86	2.86	2.89	2.84	2.63	2.58	2.55	2.50
Fabricated metals.....	1.92	1.98	1.95	2.02	2.83	2.95	2.92	3.12
Machinery, except electrical.....	2.90	2.84	2.80	2.88	4.39	4.38	4.46	4.68
Electrical machinery.....	2.22	2.32	2.27	2.34	4.55	4.70	4.58	4.68
Transportation equipment.....	2.19	2.22	2.24	2.43	11.04	10.96	11.23	12.41
Instruments and related products.....	2.36	2.34	2.33	2.49	1.80	1.78	1.85	1.95
Nondurable goods industries.....	1.10	1.10	1.13	1.18	0.52	0.54	0.55	0.57
Food and kindred products.....	0.87	0.85	0.87	0.91	(X)	(X)	(X)	(X)
Tobacco products.....	4.79	3.48	4.27	4.16	(X)	(X)	(X)	(X)
Textile mill products.....	1.53	1.51	1.57	1.61	(NA)	(NA)	(NA)	(NA)
Paper and allied products.....	1.32	1.36	1.39	1.37	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products.....	1.43	1.44	1.48	1.55	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.53	0.52	0.52	0.59	(X)	(X)	(X)	(X)
Rubber and plastics products, n.e.c.....	1.51	1.61	1.71	1.76	(X)	(X)	(X)	(X)

(NA) Not available.    <sup>P</sup>Preliminary.    <sup>R</sup>Revised.    (X) Not applicable.<sup>1</sup>Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operation; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.



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